

RECEIVED
CENTRAL FAX CENTER

JUN 28 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jacob MALKIN et al.

Confirmation No.: 8265

Application No.: 09/886,979

Group Art Unit: 1756

Filing Date: January 15, 2002

Examiner: Martin J. Angebrannndt

For: SILVER HALIDE MATERIAL FOR
OPTICAL MEMORY DEVICES WITH
LUMINESCENT READING AND
METHODS FOR THE TREATMENT
THEREOF

Attorney Docket No.: 85134-4999

REQUEST FOR CORRECTION OF FILING RECEIPT

Office of Initial Patent Examination
Customer Service Center
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Filing Receipt for the above-identified application has been received and the following corrections are respectfully requested.

Please correct the names and residence addresses of the applicants and list them in the following order:

1. Eugene B. Levich, Tel Aviv, Israel;
2. Jacob N. Malkin, Ashdod, Israel;
3. Mark A. Alperovich, Ashdod, Israel; and
4. Boris M. Shapiro, Moscow, Russia.

Support for these changes appear on the Declaration and Power of Attorney filed with the application papers on January 15, 2002, and on the title page of the parent Pat. No. 6,265,140 B1, copies of which are attached hereto.

Please change the Attorney Docket No. to -- 85134-4999 --.

A marked-up copy of the Filing Receipt with the requested changes noted thereon is attached. Please issue a corrected Filing Receipt in due course.

DC:411575.1

- 1 -

No fee is believed to be due for this submission. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814.

Respectfully submitted,

4/20/05
Date

Allan A. Fanucci
Allan A. Fanucci (Reg. No. 30,256)

WINSTON & STRAWN LLP
Customer No. 28763

212-294-3311

RECEIVED
CENTRAL FAX CENTER

JUN 28 2005



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/886,979	01/15/2002	1758	395	109289-88109 85184-4999	1	6	4

CONFIRMATION NO. 8265

UPDATED FILING RECEIPT



FILE #00000007548077

~~BLANK ROM COMISKY & MCGAULEY LLP~~
~~THE FARRAGUT BUILDING~~
~~SUITE 1000~~
~~800 17TH STREET, NW~~
~~WASHINGTON, DC 20006~~

Customer No. 28765
WINSTON & STRAWN LLP
PATENT DEPARTMENT
1700 K STREET, N.W.
WASHINGTON, DC 20006-3817

Date Mailed: 02/27/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

- ~~Jacob Malkin, Residence Not Provided;~~ 1. Eugene B. Levich, Tel Aviv, Israel
~~Mark Alperovich, Residence Not Provided;~~ 2. Jacob N. Malkin, Ashdod, Israel
~~Eugene Levich, Residence Not Provided;~~ 3. Mark A. Alperovich, Ashdod, Israel
~~Boris Shapiro, Residence Not Provided;~~ 4. Boris M. Shapiro, Moscow, Russia

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CON OF 09/028,832 02/24/1998 PAT 6,285,140
WHICH CLAIMS BENEFIT OF 60/038,818 02/24/1997

Foreign Applications

If Required, Foreign Filing License Granted 07/23/2001

Projected Publication Date: 06/06/2002

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Silver halide material for optical memory devices with luminescent reading and methods for the

treatment thereof

Preliminary Class
430

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (D)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12. If a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

ATTORNEY'S DOCKET NO. 598,056/P042

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SILVER HALIDE MATERIAL FOR OPTICAL MEMORY DEVICES WITH LUMINESCENT READING AND METHODS FOR THE TREATMENT THEREOF

the specification of which is attached hereto unless the following box is checked:

☐ was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 USC §119				
APPLICATION NUMBER	COUNTRY	(DAY/MONTH/YEAR FILED)	PRIORITY NOT CLAIMED	
			<input type="checkbox"/>	
			<input type="checkbox"/>	

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. §119(e)		
APPLICATION NUMBER	FILING DATE	
60/038,918	February 24, 1997	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application, or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

JUN 22, 2005 14:18 P

Declaration For Patent Application (Continued)



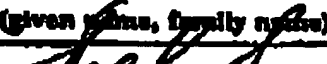
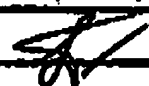
App. Dkt. No. 0693,056/T042

PRIOR U.S./PCT INTERNATIONAL APPLICATION(S) DESIGNATED FOR BENEFIT UNDER 37 U.S.C. §120		
APPLICATION NUMBER	FILING DATE	STATUS - PATENTED, PENDING, ABANDONED

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith: Herbert Cohen, Reg. No. 25,109; Victor M. Wigman, Reg. No. 25,201; George C. Myers, Jr., 27,040; Saul Leitner, Reg. No. 22,283; Donald R. Greene, Reg. No. 22,470; Michael C. Greenbaum, Reg. No. 28,419; Michael D. White, Reg. No. 32,793; Paul J. Riley, Reg. No. 38,596; Karl O. Neider, Reg. No. 39,313; and Jonathan M. Cohen, Reg. No. 40,362.

Address all correspondence to:	Customer No.: 003779 WIGMAN, COHEN, LEITNER & MYERS, P.C. 900 17th Street, N.W., Suite 1000 Washington, D.C. 20006	Addr. all phone calls to: (202) 463-7700 (202) 463-4915 (Fax)
--------------------------------	---	---

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Eugene B. Levich	
Inventor's signature: 	Date: 02.02.98
Residence: TEL-AVIV ISRAEL	Citizenship: ISRAELI
Post Office Address: 45/54 YEHODA HANASSY ST. RAMAT AVIV TEL-AVIV 69365 ISRAEL	
Full name of second joint inventor (given name, family name): Jacob N. Malkin	
Inventor's signature: 	Date: 02.02.1998
Residence: ASHDOD ISRAEL	Citizenship: ISRAELI
Post Office Address: 13/2 HANAVY HAVAKUK ST. ASHDOD 77461 ISRAEL	
Full name of third joint inventor (given name, family name): Mark A. Alperovich	
Inventor's signature: 	Date: 02.02.98
Residence: ANNIKOT ISRAEL	Citizenship: ISRAELI
Post Office Address: 33/3 HANELIKH HIRKYIA ST. 77497 ASHDOD ISRAEL	
Full name of fourth joint inventor (given name, family name): Boris M. Shapiro	
Inventor's signature: 	Date: 02.02.98
Residence: MOSCOW RUSSIA	Citizenship: RUSSIAN
Post Office Address: 51/5-230 MIKLUKHO-MAKLYIA ST. MOSCOW RUSSIA	



US00626514

(12) **United States Patent**
Levich et al.(10) Patent No.: **US 6,265,140 B1**
(45) Date of Patent: ***Jul. 24, 2001**(54) **SILVER HALIDE MATERIAL FOR OPTICAL MEMORY DEVICES WITH LUMINESCENT READING AND METHODS FOR THE TREATMENT THEREOF**

(75) Inventors: Eugene B. Levich, Tel-Aviv; Jacob N. Malkin; Mark A. Alperovich, both of Ashdod, all of (IL); Boris M. Shapiro, Moscow (RU)

(73) Assignee: Trilux, Inc., I.J.C., New York, NY (US)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/838,932

(22) Filed: Feb. 24, 1998

Related U.S. Application Data

(61) Provisional application No. 60/098,918, filed on Feb. 24, 1997, now abandoned.

(51) Int. Cl.⁷ G03C 5/46

(52) U.S. Cl. 430/370; 430/371; 430/945; 430/363; 430/270.11; 430/139

(58) Field of Search 430/139, 370, 430/371, 367, 945, 270.11, 363

(56) **References Cited****U.S. PATENT DOCUMENTS**

1,059,917	•	4/1919	Tougeigne	.....	430/371
1,305,962	•	6/1919	Craibtree	.....	430/371
1,389,742	•	9/1921	Craibtree	.....	430/371
1,945,658	•	2/1934	Rossaker	.....	430/371
1,956,122	•	4/1934	Gaspard	.....	430/371
2,308,023	•	1/1949	Peterson	.....	430/371

3,889,363	•	3/1975	Shah	.....	430/139
4,090,031	•	5/1978	Russell	.....	346/135.1
4,299,904	•	11/1981	Pettijohn et al.	.....	430/371
4,876,185	•	10/1989	Miyasaka et al.	.....	430/587
4,963,476	•	10/1990	Sugimoto et al.	.....	430/374
5,415,978	•	5/1995	Asami et al.	.....	430/363

FOREIGN PATENT DOCUMENTS

160137	•	7/1922	(GB)	.....	430/371
472346	•	9/1937	(GB)	.....	430/371

OTHER PUBLICATIONS

Seyditz, A., "A Review of Dye-Toning Processes", The British Journal of Photography, vol. 71, pp-611-614, Oct. 1924.*

Keller, Karlheinz, "Science and Technology of Photography", VCH pp. 13-23, 43-82, 119 and 136, 1993.*

(List continued on next page.)

Primary Examiner—Martin Angebrapdt

(74) Attorney, Agent, or Firm—Blank Rome Comisky & McCauley LLP

(57)

ABSTRACT

This invention concerns a luminescent optical memory material and method of forming this material, including the encoding of information by a photographic process. The method involves the use of silver halide crystals of a defined size range, with the optional use of sensitizers, emulsion stabilizers, and other agents followed by the absorption of luminescent dyes on the developed silver particle to form a luminescent optical memory system. The method involves synthesis of a photographic emulsion with silver halide crystals of a defined size range, applying photographic emulsion to a substrate, exposing to light photochemical treatment and a process of transformation of the silver particles formed in the places exposed by light into luminescent particles. The method involves obtaining a multi-layer luminescent material for a three-dimensional optical memory device.

15 Claims, 1 Drawing Sheet

